

INTERVENTIONS TO MIMIC THE EFFECTS OF CALORIE RESTRICTION

Abstract of the Disclosure

Long term calorie restriction has the benefit of increasing life span. Methods to
5 screen interventions that mimic the effects of calorie restriction are disclosed. Extensive
analysis of genes for which expression is statistically different between control and
calorie restricted animals has demonstrated that specific genes are preferentially
expressed during calorie restriction. Screening for interventions which produce the
10 same expression profile will provide interventions that increase life span. In a further
aspect, it has been discovered that test animals on a calorie restricted diet for a relatively
short time have a similar gene expression profile to test animals which have been on a
long term calorie restricted diet.

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